VOLUME TEN • DECEMBER, NINETEEN FORTY • NUMBER TWELVE

THE MARYLAND FRUIT GROWER

PROGRAM

OF

THE MARYLAND STATE HORTICULTURAL SOCIETY

Forty-Third Annual Meeting
JANUARY 8 and 9, 1941

Auditorium, Y.M.C.A. Building
Hagerstown, Maryland

Get the Jump on Codling Moth!

A Most Startling Development In the Control of Codling Moth

D-X was developed as a more effective and less expensive pyrethrum and rotenone spray. Its special feature is a patented base encasing these ingredients in an oil globule greatly increasing their activity and penetration into the vital organs of the insects, and making combinations heretofore impossible.

But a surprising and unexpected thing happens when this material is combined with arsenate of lead. D-X impregnates the arsenate of lead with pyrethrum and rotenone, greatly increasing the toxicity of both, which the mere addition of pyrethrum or rotenone will not do, and controls insects that have been difficult to control with either material alone.

The reports from the first experiments with D-X and arsenate of lead against codling moth came back so enthusiastically that it was hard for us to believe. But, after several seasons use in many sections of the country, it is an established fact that herein lies the most outstandingly successful codling moth control that it has been our pleasure to witness. The secret of its success lies in its great effectiveness at the peak of the hatch of the first brood larvae.

Be sure to speak to our Mr. Pratt or our representative at the Exhibit Room or write us care of Department "F". D-X has many other valuable uses in your orchard such as the control of leaf roller, aphis, leaf hopper, pear psylla, etc.

B. G. PRATT COMPANY

Manufacturers of Scalecide, Spra-Cream, Spray Catalizer, D-X, etc.

50 Church Street **New York, N. Y.**

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PROVED BY ORCHARD RESULTS!

GENICIDE

PATENT PENDING • TRADE MARK REG U S. PAT. OFF

A CONSENSUS AMONG GROWERS WHO HAVE USED GENICIDE EMPHASIZES THESE IMPORTANT FACTS:

SPRAY RESULTS • • • APPLES

SPRAY SCHEDULE: Growers who switched to the GENICIDE program for second brood control were able to get away substantially from the ills that usually go with a full lead arsenate schedule.

CONTROL: Growers generally noted a marked decrease in stings and worm entries where GENICIDE schedule was used.

SUMMARY: Orchards using GENICIDE schedule instead of full lead arsenate, lead arsenate-oil, or lead arsenate-nicotine mixtures showed lowest worm injury and good foliage.

PACKING HOUSE RESULTS • • • APPLES

RESIDUE REMOVAL: Spray residue easily removed where GENICIDE program was used for second brood codling moth control.

CULLS: GENICIDE program showed lowest percentage of culls.

GRADING: GENICIDE-sprayed blocks showed highest pack-outs of top grade fruit.

PACKING: GENICIDE-sprayed fruit was handled at minimum cost, due to lowest percentage of culls and ease of cleaning.

LEARN more about GENICIDE—the New-Type Codling Moth Insecticide. It solves the residue problem—sets a new "high" in worm control.

VISIT the General Chemical Company booth at your State Horticultural Society Meeting or write to

ORCHARD BRAND
REG. U.S. PAT. OFF.
SPRAYS & DUSTS

GENERAL CHEMICAL COMPANY
12 SOUTH 12TH STREET, PHILADELPHIA, PA.
ATLANTA (GA.) • CHARLOTTE (N. C.) • MONTEZUMA (GA.)

A PRODUCT OF GENERAL CHEMICAL COMPANY RESEARCH

. . . *Program* . . .

♦ ♦

Forty-third Annual Meeting

THE MARYLAND STATE HORTICULTURAL SOCIETY

HAGERSTOWN, MARYLAND

WEDNESDAY AND THURSDAY, JANUARY 8 and 9, 1941

Meetings will begin Wednesday, January 8, at 9:30 A. M.

♦

GENERAL INFORMATION

MEETINGS will be held in Y. M. C. A. Auditorium, North Potomac and Church Streets.

EXHIBITS will be located in Basement of Municipal Market House, directly in rear of the Y. M. C. A. Building.

There is plenty of unlimited parking space near the Y. M. C. A. and near the Market House.

Time of discussions is not exact. Changes may be made if necessary. Be on time to avoid missing any of the features.

The ANNUAL DINNER is being arranged by a capable committee. A special invitation is extended to the ladies. Reserve Wednesday night for this affair. Get your tickets early.

HOTELS—Alexander—$2.50 per day and up. Colonial—Dagmar—Hamilton—Patterson—$1.50 per day and up.

♦

The Society holds an annual winter meeting and a summer field meeting. It issues The Maryland Fruit Grower or a news-letter monthly, and also publishes annual proceedings of the winter meetings. Members receive these publications and grower-members also will receive The American Grower Magazine if memberships are paid during January. The Society has no paid officers. Your dollar plus your interest makes you a member. Better become a member during the meetings.

♦

WEDNESDAY MORNING PROGRAM ON PAGE 4
WEDNESDAY AFTERNOON AND EVENING PROGRAM ON PAGE 14
THURSDAY MORNING PROGRAM ON PAGE 20
THURSDAY AFTERNOON PROGRAM ON PAGE 28
INDEX OF ADVERTISERS ON PAGE 21

Have you read every advertisement?

PROVED BY ORCHARD RESULTS!

GENICIDE

PATENT PENDING • TRADE MARK REG U. S. PAT. OFF

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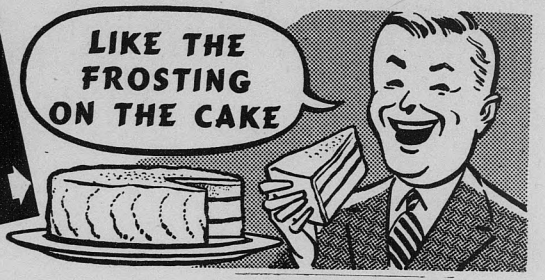
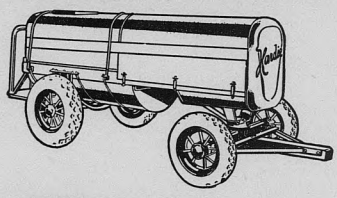
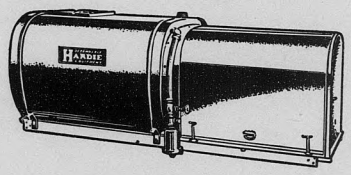
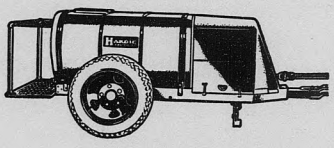
HARDIE *Plus* FEATURES ARE

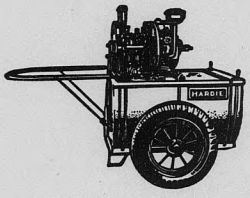


- **BIGGER, STRONGER PUMP**
  A Hardie pump of any given rating is bigger and stronger than any other of equal rating.
- **VERTICAL CRANKSHAFT DRIVE**
  The Hardie up-and-down stroke and long connecting rod applies power more directly and economically.
- **COMPLETE LUBRICATION**
  Hardie alone provides complete lubrication of every moving part of the pump—even plungers, plunger cups and cylinder wall run in a bath of oil.
- **SLOW SPEED**
  Hardie pumps reach rated capacity and pressure at slow speed, which means slow wear and long life.
- **EASY ACCESSIBILITY**
  While fully protected, all operating parts of the Hardie are quickly and easily accessible for inspection or service.
- **COMPLETE DUST PROOFING**
  Hardie coil-in-tank cooling system eliminates the radiator, permits complete protection of pump and engine.
- **SERVICE EVERYWHERE**
  Wherever you are there is a responsible, well-qualified Hardie dealer to serve you.









7 PLUS Features

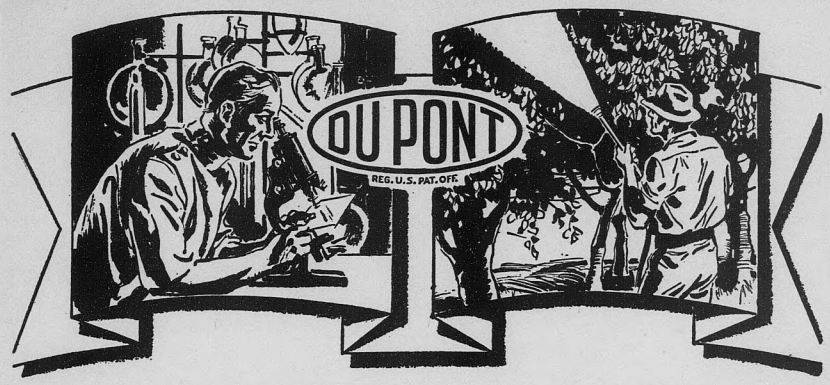
• These Hardie Plus Features are worth real money to you, but you pay no more for a Hardie Sprayer with all these extra values than you pay for one that does not have them.

• Write for catalog showing streamlined sprayers in a wide range of sizes and models, Tractor Trailers and motor truck mounted outfits in all sizes, a complete line of small, low-priced power outfits for small acreages. The Hardie Mfg. Company, Hudson, Mich., Portland, Ore., Los Angeles, Calif.

HARDIE *Dependable* **SPRAYERS**

"THE ONLY SPRAY PUMP THAT IS COMPLETELY LUBRICATED"

Order or buy it Now. Have it later



DU PONT HELPS TO MAKE YOUR JOB EASIER!

• Through constant research and field testing Du Pont has developed many agricultural products which make your job easier—by helping to produce better fruit to command better prices.

Insecticides and Fungicides manufactured by Du Pont are produced to rigid specifications—your assurance of effective, economical crop protection.

To make your job easier demand Du Pont Insecticides and Fungicides. Look for the package with the Du Pont oval.

*Grasselli Lead Arsenate
*NuREXFORM Lead Arsenate
Calcium Arsenate
Lime Sulfur
*Dutox Fluorine Insecticide
*Sulforon Wettable Sulfur
Copper—A Compound
*Grasselli Spreader-Sticker
*Loro Contact Insecticide
Flotation Sulfur Paste
*Parapont Paradichlorobenzene
Bordeaux Mixture
Dust Mixtures
Zinc Sulfate
Cryolite
Copper Sulfate
*Fluxit Spreader
Spray Oil—Dormant
Spray Oil—Summer
Sulfur
Paris Green
*Parmone Hormone Spray

*Trade Marks

E. I. DU PONT DE NEMOURS & CO., (INC.)

GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON - DELAWARE

DU PONT
REG. U.S. PAT. OFF.

Listen to "Cavalcade of America" every Wednesday Evening, 7:30 to 8 P. M. E.S.T. over a nation-wide N. B. C. network.

DU PONT INSECTICIDES AND FUNGICIDES

PROGRAM—*Continued*

WEDNESDAY MORNING, JANUARY 8TH
Y. M. C. A. AUDITORIUM

♦

9:30 a.m. Sound Movie—"The River"—by courtesy of Soil Conservation Service, U. S. Dept. of Agriculture.

10:00 a.m. Call to Order

Invocation—Rev. Paul B. Watlington, Pastor, First Baptist Church, Hagerstown, Maryland.

Greetings—Hon. Richard H. Sweeney, Mayor, Hagerstown, Maryland.

Report of Secretary-Treasurer—A. F. Vierheller, College Park, Maryland.

President's Address—Some Weak Spots in our Fruit Industry—Joseph G. Harrison, Berlin, Maryland.

10:30 a.m. Building up Our Orchard Soils—A. Lee Schrader, Professor of Pomology, University of Maryland, College Park, Maryland.

11:15 a.m. Is the New "Harvest Spray" a Success in Preventing Drop of Apples?—L. P. Batjer, Pomologist, U. S. Horticultural Station, Beltsville, Maryland.

Growers' Experiences—E. D. McCain, R. S. Dillon, Jr., J. G. Harrison, W. C. Main, E. C. McFadden, Lloyd Balderston, Dwight Walker.

12:00-2:00 p.m. Lunch

Inspection of Commercial and Educational Exhibits, Basement Municipal Market House, rear of Y. M. C. A.

WEDNESDAY AFTERNOON AND EVENING PROGRAM ON PAGE 14

NOTES

OFFICERS—1940

President—JOSEPH G. HARRISON, Berlin
1st Vice-President—W. LEE ALLEN, Salisbury
2nd Vice President—STANLEY M. FULTON, Hancock
Secretary-Treasurer—A. F. VIERHELLER, College Park

EXECUTIVE COMMITTEE

R. S. Dillon, Jr., Hancock
A. Lee Schrader, College Park
O. R. Higgins, Hurlock
Lloyd Balderston, Colora
S. B. Waddell, New Windsor
G. Wm. Gardenhour, Smithsburg
G. S. L. Carpenter, Hagerstown
G. Rust Canby, Silver Spring
Dwight Walker, Mt. Airy

Director to Maryland Farm Bureau

G. Rust Canby, Silver Spring

Delegates to Annual Maryland Farm Bureau Meeting

J. Andrew Cohill, Hancock
H. C. Whiteford, Whiteford

Visit the Exhibits. Ask questions

UNCLE NATCHEL *Says . . .*

IT'S GOOD BECAUSE IT'S **NATCHEL**— AND NATCHEL THINGS IS BEST

Yes, Chilean Soda is good because it's "Natchel"—the only natural nitrate in the world. It helps every crop—your natural partner in making good yields, good quality, good crops year in and year out.

In addition to its 16% quick-acting nitrogen, Chilean Nitrate of Soda carries Nature's own blend of other plant-food elements—"vitamin elements" we call them, such as boron, iodine, manganese, magnesium, potash, calcium and many more.

Use Natural Chilean Nitrate each year on each crop and that way get the full benefit of its natural fertilizing and soil-improving qualities.

Be Sure You Get

NATURAL CHILEAN NITRATE OF SODA

Enjoy Uncle Natchel's Radio Program Every Sunday Afternoon.

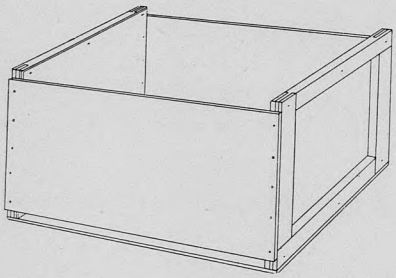
Mention this Program when writing Advertisers

THREE STANDARD BOX STYLES

Combining Efficiency and Economy

Bushel boxes for place packing; boxes of one and one-eighth bushels capacity for face-and-fill or jumble packs! These are the official boxes for the Eastern Apple Crop—as approved by horticultural societies, box manufacturers' and shippers' organizations.

Boxes for place-packing are designed to permit a double bulge—slight at the bottom; more pronounced at the top. Boxes for face-and-fill or jumble packs have flat, rigid bottoms, but tops may be bulged slighly if desired.

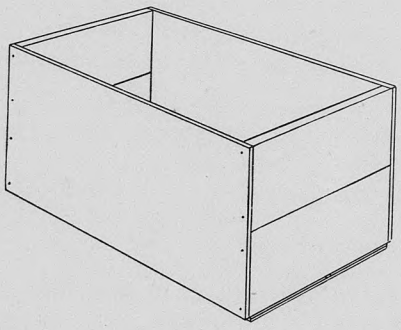


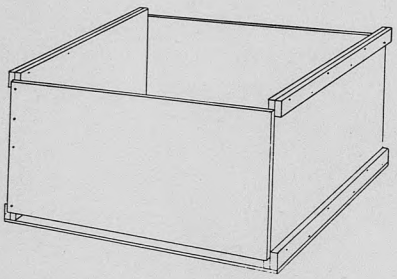
PANEL END STYLE

Ends are formed by nailing or stitching a panel to a framework formed of pieces called headsticks. Available in bushel and 1⅛ bushel sizes.

SOLID END STYLE

Ends are cut from one or more pieces of solid lumber. This box is available in one-bushel and 1⅛ bushel sizes.





CLEATED END STYLE

End pieces on this box are placed vertically and held together at top and bottom by cleats. The cleats also provide a nailing edge when tops and bottoms are applied.

Visit Our Booth or Write for Detailed Specifications

NATIONAL WOODEN BOX ASS'N

308 BARR BUILDING WASHINGTON, D. C.

BOWKER BRAND

HIGH TEST LEAD ARSENATE

Is Unexcelled For Effectiveness

Backed by over 40 years of manufacturing experience —with a longer record of success than any other product on the market today—Bowker's Lead Arsenate Powder is truly the standard of quality in its field.

Analysis and specifications tell only part of the quality story. Equally important is the manufacturing skill which assures constant uniformity as to size and fineness of the particles, and produces a minimum water-soluble As_2O_5 content—so important in avoiding the burning of tender foliage.

Uniformity of fineness of the particles is particularly necessary to ensure full suspension in the sprayer and proper distribution when sprayed on foliage, giving the even coverage needed for effective killing of leaf-eating insects.

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY AA QUALITY

FACTORY—BALTIMORE, MD.

The AMERICAN AGRICULTURAL CHEMICAL Co.

50 Church Street, New York, N. Y.

There is only one fundamental consideration in the purchase and use of spray materials, that is, of results.

Certainly during the past eleven years the . . .

Ferrox Type

FLOTATION SULPHUR CREAM

has established itself in ability to control scab and brown rot in a most efficient and increasingly economical manner.

CAMDEN COKE PLANT

of

Public Service Electric and Gas. Co.

Front and Chestnut Streets

CAMDEN, N. J.

Have you seen all the Exhibits?

FRUIT AND VEGETABLE PACKAGES

Marvil Products Protect Contents

MARVIL PACKAGE COMPANY

Laurel, Delaware

Save this Program for Advertisers' addresses

"FRIEND"
THE MARK OF A SUPERIOR PRODUCT AND SERVICE

The SIMPLEST pump on any sprayer--and the EASIEST TO KEEP RUNNING

Every rotating part in the "Friend" Quadruplex pump operate on Timken Tapered Roller Bearings—including jackshaft, countershaft and agitator drive shaft. That means smoother operation; prevention of wear; low power consumption; protection against radial, thrust and combined loads; longer life for the entire pump.

Only 1-2 to 1-3 as Many Moving Parts as you see on some sprayers.

Easiest lubrication, with oil bath gears and Alemite fittings.

The most practical design ever developed for high-pressure spraying. Growers who have "tried them all" tell you that nothing else compares with a "Friend". Size it up for yourself.

For Most Satisfaction and Least Trouble buy a Reliable

"FRIEND"
THE MARK OF A SUPERIOR PRODUCT AND SERVICE

Sprayers — Dusters — Brush Cleaners — Fruit Sizers

"FRIEND" MFG. CO.

GASPORT, N. Y.

DEFENSE!

Growers . . .

Fortify yourselves against
your fungus and insect enemies

with

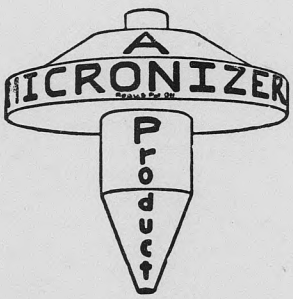
***MICRONIZED PRODUCTS**

Micronized to Economize

Increased efficiency through increased fineness

WETTABLE SULFUR

Average particle size 3 to 4 microns



SULFUR DUSTS

Average particle size 5 to 6 microns

MICRONIZER PROCESSING CO., Inc.

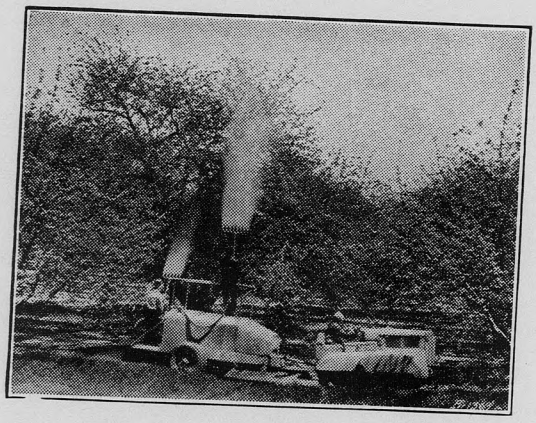
MOORESTOWN, N. J.

* Registered U. S. Patent Office

See it all. Visit the Exhibits again

"Bean" Sprayers are First

1. ENGINEERING
2. RUGGEDNESS
3. SIMPLICITY
4. SPEED
5. PRESSURE
6. CAPACITY
7. LOW OPERATING COST



This combination of engineering, ruggedness, simplicity, speed, pressure, capacity, low operating cost, combined into one high pressure sprayer is without equal. It is this combination that will give you more for your investment when you consider capacity and pressure.

Bean has always been first in all these things which accounts for the fact that all leading and successful growers standardize on Bean equipment.

There is an exact size of any style either two wheeled to be powered by a tractor, the four wheel model with its own engine for power, a tractor duster or an engine powered duster in every size and capacity. You can buy exactly to meet your own needs which in itself is real economy.

JOHN BEAN MFG. CO.

Division FOOD MACHINERY CORPORATION

LANSING, MICH. SAN JOSE, CALIF.

Order or buy it Now. Have it later

YOUR PARTNERS

Bountiful Ridge FRUIT TREES

PROFIT PLAN

IN A GREAT

WE PRESENT

AMERICA'S EARLIEST FREESTONE PEACHES

Bountiful Ridge-Grown ERLY-RED-FRE

PLANT PAT. NO. 320

These Two Great New Peaches Combined With Bountiful Ridge Grown Selected Strains of—

Bountiful Ridge-Grown FISHER PEACH

PLANT PAT. NO. 233

Golden Jubilee	Hale Haven	Elberta
Fairs Beauty	Valiant	Shippers Late Red
"Colora"	Golden East	Gage Elberta
Vedette	Early Elberta	Lizzie

And Others WE LIST Present the GREATEST ARRAY OF MONEY MAKING COMMERCIAL PEACHES EVER OFFERED THE PLANTER

Bountiful Ridge PEACH Trees

Bountiful Ridge Fruit Trees Have Established An Enviable Record for Growth and Production Wherever Planted.

Bountiful Ridge APPLE Trees

Our Prices Are As Low As Good Nursery Stock Can Be Consistently Produced Our Stock Leads in Quality and General Satisfaction To The Planter. Year After Year You Will Find Bountiful Ridge Nurseries Serving You to Your Best Interests.

Bountiful Ridge BLUEBERRIES

The Large Cultivated Blueberry Asparagus—Raspberries and Strawberries.

Bountiful Ridge-Grown ASPARAGUS ROOTS

All In Bountiful Ridge Selected Strains Offer A New Source of Income From Diversified Fruit Growing.

Plant For Future Income

Bountiful Ridge BERRY Plants

Plan to Plant This Year

We offer you the greatest values in FRUIT TREES and BERRY PLANTS your money can buy.

The Best Will Always Cost You Less At

Bountiful Ridge Nurseries

Dept. A119

Princess Anne, Maryland

Recognized Leaders Today in Fruit Tree and Berry Plant Production
Send for Latest Catalog Giving Our New Prices.
Be sure and visit our exhibit at the Maryland Meeting

Remember our Advertisers and Exhibitors when you buy

PROGRAM—*Continued*

WEDNESDAY AFTERNOON, JANUARY 8TH
Y. M. C. A. AUDITORIUM

♦

2:00 p.m. Are Growers Improving the Packing of Fruits in Maryland?—W. C. Beaven, Supervising Inspector, Maryland State Department of Markets, College Park, Maryland.

2:15 p.m. How Advertising Helps to Move Fruits—John Lyman, Fruit Grower, Vice-President, National Apple Institute, Middlefield, Connecticut.

2:45 p.m. Reaching the Consumer with Improved Fruit Packages—Truman Nold, Secretary, National Apple Institute, Columbus, Ohio.

3:15 p.m. The Apple Tree Removal Program for 1941—Paul E. Nystrom, County Agent Leader, Extension Service, University of Maryland, College Park, Maryland.

3:45 p.m. New Advances in Codling Moth Control in Maryland—C. Graham, Associate Entomologist, University of Maryland, College Park, Maryland.

4:00-6:00 p.m. Inspection of Commercial and Educational Exhibits Basement, Municipal Market House, rear of Y. M. C. A.

6:30 p.m. Dinner. Alexander Hotel—

Entertainment—Program to be announced.

Dinner Committee: E. C. McFadden, Chairman, M. D. Moore, J. A. Cohill, H. V. Hart, R. S. Dillon, Jr.

THURSDAY MORNING PROGRAM ON PAGE 20

NOTES

GRANULAR 'AERO' CYANAMID

A QUALITY FERTILIZER AT AN ECONOMY PRICE

QUALITY **GRANULAR 'AERO' CYANAMID** is *unexcelled* by any other fertilizer in providing your trees with a steady supply of nitrogen throughout the growing season. It is *unequalled* by any other fertilizer in the beneficial lime residue which it leaves in the soil — the equivalent of a ton of limestone for each ton of **GRANULAR 'AERO' CYANAMID.**

ECONOMY Figure this yourself at local prices.

Cost per ton of **GRANULAR 'AERO' CYANAMID**	$
Less lime value (1 ton of limestone)	$ _____
Net cost of 420 pounds Nitrogen in 1 ton of **GRANULAR 'AERO' CYANAMID**	$ _____
Net cost per pound of Cyanamid Nitrogen	$

You Can't Do Better in Quality or Economy

AMERICAN CYANAMID COMPANY
30 ROCKEFELLER PLAZA NEW YORK, N. Y.

Reduce Your Packing Costs

When Packing Your Fruit

in BOXES use our

RITE-WAY or S. F. BOX LINERS

and

DOUBLE FACE BOARD

F. A. READ, Inc.

Winchester, Va. - Albion, N. Y.

Ask Your Dealer for READ'S Goods

We Specialize . . .

In Furnishing the

FRUIT GROWER

With the Following Goods

BASKET CAPS	DOUBLE FACE BOARD
BASKET LINERS	BOX LINERS
BASKET FRINGES	BOX CUSHIONS
BASKET CUSHIONS	OIL WRAPS
PACKING SETS	SHREDDED PAPER

F. A. READ, Inc:

Winchester, Va. - Albion, N. Y.

Ask Your Dealer for READ'S Goods

INSECTS and DISEASES

Controlled!

WITH

CHIPMAN DUSTS & SPRAYS

BERAKO FRUIT SPRAY—Low cost, dependable control of aphids, red spiders and mealybugs. For combination sprays where oil and wetting agents are used. Extremely toxic—contains 2½% pure rotenone.

BERAKO—For economical control of aphids, cabbage worms and other sucking and chewing insects on vegetables and fruits. Concentrated rotenone liquid, containing 2½% pure rotenone; also special wetting and spreading agents.

CUBOR (Rotenone Coated) DUSTS—Killing ingredients also on the **outside** of dust particles! Quicker, more effective kill than ordinary ground root dusts. In strengths of .75% and 1% rotenone.

COPPER HYDRO—Controls cherry leaf spot; also scab and other diseases of apples. A neutral copper fungicide. Safer, more effective at low cost.

MICROSULFUR (Wettable)—A dry flotation sulfur, approximately 15 times finer than ordinary 325 mesh sulfur. Greater safety against "sulfur burn". Controls scab and other apple diseases; brown rot on stone fruits, also powdery mildew of various plants.

HI-TEST LEAD ARSENATE—More killing power, greater safety to foliage! Has unexcelled guarantee of 32.50% arsenic pentoxide; only ¼% water soluble arsenic. Your assurance of better results!

CHIPMAN CHEMICAL CO.

WINCHESTER, VA. BOUND BROOK, N. J.

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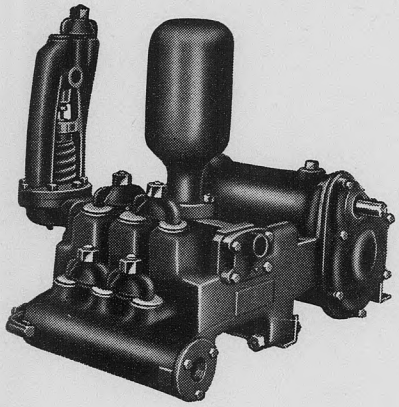
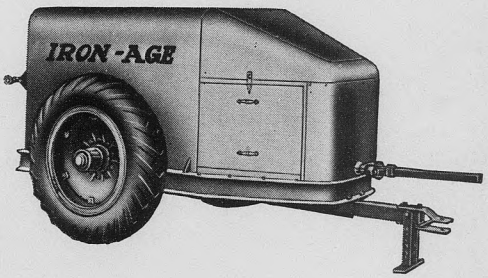
Spraying the IRON AGE *Way Pays this Grower*

"Our Iron Age orchard sprayer gave us excellent service on our 80 acres of orchard—helped us grow our finest crop of fruit."—C. W. H.



Large and small growers alike report the high pressure Iron Age sprayer gives them more thorough, effective spraying per dollar. They like the easy-working, trouble-free, slow-speed Victory pump. Farquhar makes an Iron Age sprayer for every grove or orchard purpose—tell us your needs.

VICTORY PUMPS are built in 6, 10, 14, 20 and 37 gallon-per-minute capacities. Working pressures up to 600 lbs. P.S.I. in the 6 and 10 gallon sizes; 1000 lbs. P.S.I. in the larger sizes.



Hook up this Iron Age Power Take-off Sprayer to your tractor, fill the tank, and you're ready to go. Ideal for orchard use.

Iron Age

SPRAYERS

Write for Sprayer Manual

A. B. FARQUHAR COMPANY, LIMITED

3134 DUKE STREET **YORK, PA.**

Our Advertisers and Exhibitors Deserve your Patronage

PROGRAM—*Continued*

THURSDAY MORNING, JANUARY 9TH
Y. M. C. A. AUDITORIUM

♦

9:30 a.m. The Threat of European Corn Borer in Maryland—E. N. Cory, State Entomologist, University of Maryland, College Park, Maryland.

9:45 a.m. What Can the Orchardist do to Combat Japanese Beetle?—G. W. Langford, Associate Entomologist, University of Maryland, College Park, Md.

10:00 a.m. The Future of the Apple Industry—Porter R. Taylor, Chief, General Crops Section, A.A.A., U. S. Dept. Agriculture.

10:45 a.m. Committee Reports

11:00 a.m. Use of New Methods for Peach Borer Control—O. I. Snapp, Entomologist in Charge, Fort Valley Laboratory, U. S. Dept. Agriculture, Fort Valley, Georgia.

11:30 a.m. Factors Affecting the Future of the Peach Industry—Geo. W. Colborn, Jr., Bountiful Ridge Nursery, Princess Anne, Maryland.

12:00-2:00 p.m. Lunch

Inspection of Commercial and Educational Exhibits, Basement, Municipal Market House, rear of Y. M. C. A.

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COMMERCIAL EXHIBITS

Owing to some late reservations, a complete list of Commercial Exhibits could not be compiled. These exhibits are of great value to every grower. Visit them. Talk with the men in charge. Show them that we appreciate their participation in our meetings. When buying supplies, remember these products.

There also will be some educational exhibits, covering such subjects as Rodent Control, Soil Erosion, Land Use Planning, Japanese Beetle, Fruit Diseases, General Fruit Growing, etc.

SEE IT ALL BEFORE YOU GO HOME.

Visit the Exhibits. Ask questions

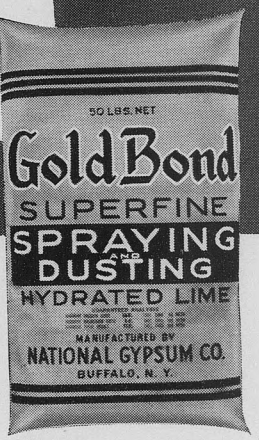
JERSEY PACKAGE COMPANY, INC.

Fruit and Produce Packages

Bridgeton, N. J.

Have you seen all the Exhibits?

SOMETHING TO REMEMBER . .



Packed in convenient, economical 50 lb. bags

Gold Bond

Superfine Spraying and Dusting Lime

SUPERFINE and air-floated. Goes into solution quickly . . . stays in suspension longer. Helps keep your spraying solutions uniform in consistency from start to finish.

There are no coarse particles in Gold Bond Spraying and Dusting Hydrate—nothing to prevent proper diffusion of the spray or clog and cut the nozzles. It's safe!

You'll find this high calcium lime unexcelled for dusting, too. Being extremely fine, it disperses rapidly and forms a uniform, protective film over leaves and fruit.

For better results every time—ask your dealer for Gold Bond Spraying and Dusting Hydrate.

Manufactured and Guaranteed by

NATIONAL GYPSUM CO., BUFFALO, N. Y.
PLANTS: ORANDA, VA., AND YORK, PA.

TO THE

APPLE GROWERS OF MARYLAND

AND THE MEMBERS OF

THE MARYLAND
STATE HORTICULTURAL SOCIETY

we extend our best wishes

It has been a pleasure to serve you our

SUNSET OILED APPLE WRAPS

and

SUNSET SHREDDED OILED PAPER

Fred C. Strype, Inc.

NEW YORK, N. Y.

See it all. Visit the Exhibits again

HARRISON'S

SUPERIOR STRAINS

MAKE

PROFITS!

ASK ABOUT THEM AT OUR EXHIBIT
GET OUR CATALOGUE

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BERLIN, MARYLAND

To Serve Progressive Fruit Growers Better

We have plants located at Hagerstown, Md., Gettysburg, Milton, Butler, Chambersburg and Everett, Pa., Harrisonburg, Crimora and Elkton, Va.
This enables us to give you prompt and efficient service.

SPRAYS AND DUSTS FOR EVERY PURPOSE

Dowspray Dormant, Tar Oil Emulsions, 83% Oil Emulsion, Elgetol, Lime Sulphur Solution, Etc., Etc.

FAMOUS FRUIT FOOD
10-6-4
AMERICA'S BEST FERTILIZER FOR FRUIT

Contains the necessary plant food elements in addition to Nitrogen, Phosphorus and Potash required for proper growth and economical production of big yields.

CENTRAL CHEMICAL CORPORATION
General Office **Hagerstown, Md.**

Order or buy it Now. Have it later

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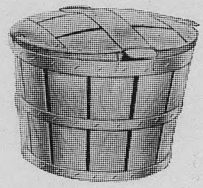

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Bent Bottom Bushels with Two-Ply Crown Covers

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ALL PACKAGES MADE OF HIGHEST GRADE MATERIALS

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Berryville Basket Co., Inc.

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YOUR INQUIRY WILL HAVE OUR PROMPT ATTENTION

STAUFFER

SPRAYING AND DUSTING

SULPHURS

Each year, a greater number of fruit growers depend on STAUFFER SULPHURS for apple scab and peach brown rot control. Include them in your program the coming season. You, too, will find that STAUFFER SULPHURS are effective and economical.

If your dealer cannot supply you, write

Stauffer Chemical Company, Inc.

SALES OFFICE
420 Lexington Avenue
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Bayonne,
New Jersey

BUY SULPHUR BY STAUFFER

Visit the Exhibits. Ask questions

PROGRAM—*Continued*

THURSDAY AFTERNOON, JANUARY 9TH
Y. M. C. A. AUDITORIUM

2:00 p.m. New Methods for Scab Control. Is the New Spray on the Soil of Value?—K. J. Kadow, Head, Department of Horticulture, University of Delaware, Newark, Delaware.

2:45 p.m. What Price Levels Mean to the Fruit Industry—R. B. Corbett, Director of Maryland Agricultural Experiment Station, University of Maryland, College Park, Maryland.

3:15 p.m. Trends in Horticultural Research—C. H. Mahoney, Head, Department of Horticulture, University of Maryland, College Park, Maryland.

3:30 p.m. Reducing Spray Injury on Fruits—H. W. Thurston, Jr., Associate Professor of Plant Pathology, Pennsylvania State College, State College, Pennsylvania.

Growers' Experiences:—S. B. Waddell, Eugene W. Scott, C. E. Bryan, G. W. Gardenhour and Stanley M. Fulton.

ADJOURNMENT

NOTES

ANNUAL MEETING

Maryland Farm Bureau Federation, Maryland Agricultural Society and Affiliated Organizations

LORD BALTIMORE HOTEL, BALTIMORE, MD.
January 14, 15, 16, 1941

APPLE SHOW

LORD BALTIMORE HOTEL, BALTIMORE, MD.
January 14, 15, 1941

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5 NEW . . .

ORTHO PRODUCTS

Assure your fruit profits in 1941. Include in your control schedule these new highly effective products:

KLEENUP SOLUBLE
ELGETOL
FRUITONE
KOPPERS DRY FLOTATION SULPHUR
NITRO KLEENUP POWDER

Each of these new products has had exacting tests in field research and grower use and has demonstrated its outstanding value as compared with any present comparative products.

Ask for information on these at our Hagerstown Meeting exhibit. January 8th and 9th.

ORTHO
SCIENTIFIC PEST CONTROL

REG. U. S. PAT. OFF.

The Ortho Company

The World's Largest Manufacturer of Agricultural Sprays

CALIFORNIA SPRAY-CHEMICAL CORPORATION

Elizabeth, New Jersey

ELGETOL

A DORMANT SPRAY having combined FUNGICIDAL, INSECTICIDAL and OVICIDAL properties.

HELIONES

Disease eradicants for summer disease control.

STANTEX DISPERSING OIL R-50

A stabilized rotenone spray material containing mutual solvents and used for insect control.

LAWN SINOX

Used to eliminate weeds in lawns without permanent injury to grass.

ARIONE

A prepared bait which kills snails and slugs.

Standard Agricultural Chemicals, Inc.

Hoboken, New Jersey

RICE, TREW & RICE COMPANY

MANUFACTURERS

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FRUITS AND VEGETABLES

Always At Your Service

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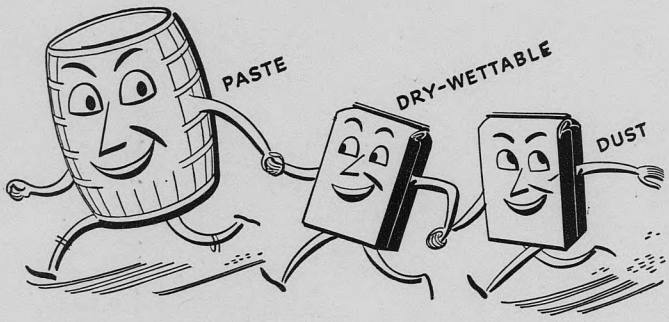
KOPPERS FLOTATION SULPHUR

For Healthier Trees and an Increased Yield of Finer Fruit



For years progressive growers have been getting better results with Koppers Flotation Sulphur. It is giving dependable protection without the caustic action . . . . resulting in healthier trees and an increased yield of finer fruit.

When buying sulphur . . . . be sure it's

KOPPERS FLOTATION SULPHUR

KOPPERS COMPANY

Tar and Chemical Division

Pittsburgh, Pa.

Have you seen all the Exhibits?

PROTECTION *that Pays*

Progressive orchardists agree that spraying with an insecticide of tested, proven effectiveness is protection that pays big dividends.

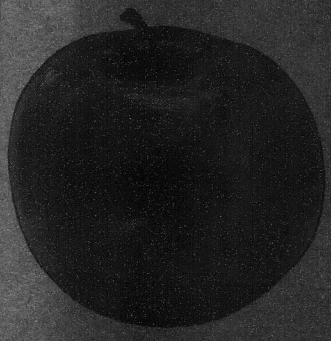
And Dow's *D N* Dormant sprays sprays are just such insecticides. For they are more effective than any other dormant spray and will protect your crop against a greater variety of insects, including rosy apple aphis, early green aphis, San Jose scale, scurfy scale, European red mite and bud moth. They mix easily, are economical to use and harmless to both workers and equipment.

Successful growers throughout the country have depended on Dow insecticides for years. They know that these insecticide materials—there's one for every purpose—were developed to meet specific needs in specific districts and that each one is developed scientifically to be as effective as possible.

Use these proven insecticides for better protection. For more information write

THE DOW CHEMICAL CO.
Midland, Michigan

Branch Sales Offices: New York City, St. Louis, Chicago



D N DORMANT SPRAYS

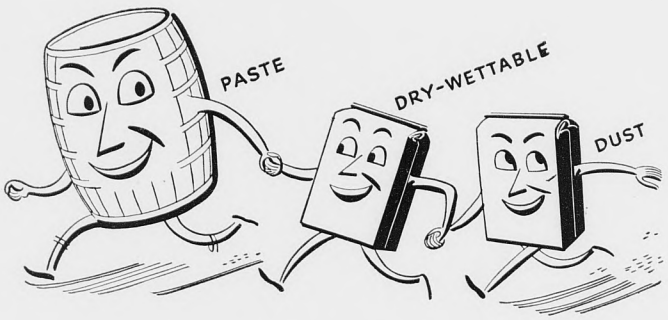
In the post-bloom season "MIKE" Sulfur protects crops without burning foliage—gives leaves a chance to develop more of the necessary food to nourish a delicious fruit.

There is a DOW insecticide for every purpose

CENTRAL CHEMICAL CORPORATION of MARYLAND
HAGERSTOWN MARYLAND

KOPPERS FLOTATION SULPHUR

For Healthier Trees and an Increased Yield of Finer Fruit



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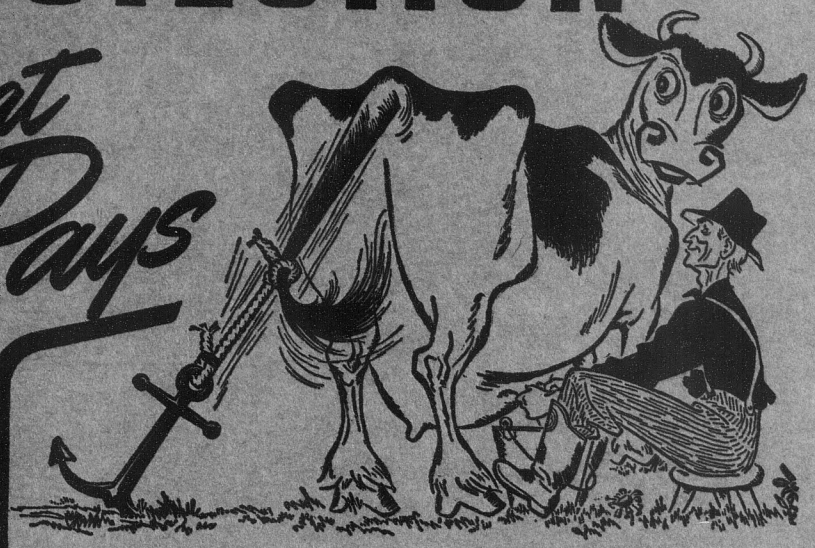

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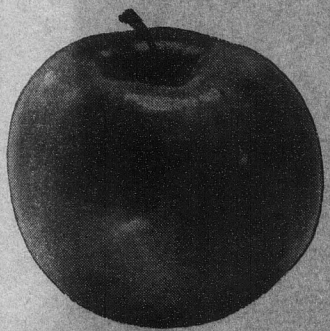

D N DORMANT SPRAYS

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Get the Jump on Codling Moth!

A Most Startling Development In the Control of Codling Moth

D-X was developed as a more effective and less expensive pyrethrum and rotenone spray. Its special feature is a patented base encasing these ingredients in an oil globule greatly increasing their activity and penetration into the vital organs of the insects, and making combinations heretofore impossible.

But a surprising and unexpected thing happens when this material is combined with arsenate of lead. D-X impregnates the arsenate of lead with pyrethrum and rotenone, greatly increasing the toxicity of both, which the mere addition of pyrethrum or rotenone will not do, and controls insects that have been difficult to control with either material alone.

The reports from the first experiments with D-X and arsenate of lead against codling moth came back so enthusiastically that it was hard for us to believe. But, after several seasons use in many sections of the country, it is an established fact that herein lies the most outstandingly successful codling moth control that it has been our pleasure to witness. The secret of its success lies in its great effectiveness at the peak of the hatch of the first brood larvae.

Write us care of Department "F". D-X has many other valuable uses in your orchard such as the control of leaf roller, aphis, leaf hopper, pear psylla, etc.

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